

| Ref # | Hits  | Search Query  | DBs                                      | Default Operator | Plurals | Time Stamp       |
|-------|-------|---|--|------------------|---------|------------------|
| S1    | 2583  | (428/141-145,150).CCLS.   | USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2005/01/04 11:50 |
| S2    | 312   | ((428/141-145,150).CCLS.) and ceramic   | USPAT;<br>EPO; JPO;<br>DERWENT           | OR               | OFF     | 2002/03/05 11:10 |
| S3    | 200   | ((((428/141-145,150).CCLS.) and ceramic) and film   | USPAT;<br>EPO; JPO;<br>DERWENT           | OR               | OFF     | 2002/03/05 11:11 |
| S4    | 6     | (((((428/141-145,150).CCLS.) and ceramic) and film) and roof  | USPAT;<br>EPO; JPO;<br>DERWENT           | OR               | OFF     | 2002/03/05 11:11 |
| S5    | 10    | ("2054317"   "4055453"   "4248926"   "4357377"   "4386981"   "4636414"   "4749731"   "4757652"   "4859723"   "5142837").PN. | USPAT                                    | OR               | OFF     | 2002/03/05 11:30 |
| S6    | 3     | 52/420.ccls. and ceramic  | USPAT;<br>EPO; JPO;<br>DERWENT           | OR               | OFF     | 2002/03/05 11:31 |
| S7    | 2123  | 52/415-417,419,420,519,520,533,543,544.ccls.  | USPAT;<br>EPO; JPO;<br>DERWENT           | OR               | OFF     | 2002/03/05 11:32 |
| S8    | 45    | 52/415-417,419,420,519,520,533,543,544.ccls. and ceramic  | USPAT;<br>EPO; JPO;<br>DERWENT           | OR               | OFF     | 2002/03/05 11:56 |
| S9    | 72984 | ceramic and film  | USPAT;<br>EPO; JPO;<br>DERWENT           | OR               | OFF     | 2002/03/05 11:57 |
| S10   | 16497 | (ceramic and film) and (granule or particle or bead or sphere)  | USPAT;<br>EPO; JPO;<br>DERWENT           | OR               | OFF     | 2002/08/06 13:39 |
| S11   | 299   | ((ceramic and film) and (granule or particle or bead or sphere)) and roof   | USPAT;<br>EPO; JPO;<br>DERWENT           | OR               | OFF     | 2002/03/05 12:28 |
| S12   | 7592  | ceramic near4 (granule or particle or bead or sphere)   | USPAT;<br>EPO; JPO;<br>DERWENT           | OR               | OFF     | 2002/03/05 15:17 |
| S13   | 308   | (ceramic near4 (granule or particle or bead or sphere)) and adhesive and film   | USPAT;<br>EPO; JPO;<br>DERWENT           | OR               | OFF     | 2002/03/05 13:45 |
| S14   | 423   | ceramic and shingle   | USPAT;<br>EPO; JPO;<br>DERWENT           | OR               | ON      | 2002/03/05 14:17 |
| S15   | 177   | (ceramic and shingle) and adhesive  | USPAT;<br>EPO; JPO;<br>DERWENT           | OR               | ON      | 2002/03/05 14:59 |

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| S16 | 232   | (ceramic near4 (granule or particle or bead or sphere)) and aliphatic   | USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2002/03/05 14:59 |
| S17 | 5     | (ceramic near4 (granule or particle or bead or sphere)) and (aliphatic near urethane)   | USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2002/03/06 10:05 |
| S18 | 957   | (ceramic near4 (granule or particle or bead or sphere)) and(utltraviolet or dye or pigment or antioxidant or initiator or catalyst)                           | USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2002/03/05 15:20 |
| S19 | 12    | (ceramic near4 (granule or particle or bead or sphere)) and((ultraviolet or dye or pigment or antioxidant or initiator or catalyst) near3 (film or ashesive)) | USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2002/03/05 15:22 |
| S20 | 11982 | ceramic and (floor or flooring)   | USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2002/03/06 10:09 |
| S21 | 2807  | (ceramic and (floor or flooring)) and (granule or particle or bead or sphere)   | USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2002/03/06 10:09 |
| S22 | 1124  | (ceramic near3 (granule or particle or bead or sphere)) and (film)  | USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2002/03/06 13:53 |
| S23 | 261   | ((ceramic near3 (granule or particle or bead or sphere)) and (film)) and adhesive   | USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2002/03/06 11:11 |
| S24 | 63    | ((((ceramic near3 (granule or particle or bead or sphere)) and (film)) and adhesive) and white  | USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2002/03/06 11:11 |
| S25 | 7     | (ceramic near3 (granule or particle or bead or sphere)) near3 (polymer near3 (sheet or film))   | USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2002/03/06 11:33 |
| S26 | 374   | (ceramic near3 (granule or particle or bead or sphere)) and cured   | USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2002/03/06 13:54 |
| S27 | 14    | (ceramic near3 (granule or particle or bead or sphere)) and (cured near adhesive)   | USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2002/03/06 13:54 |
| S28 | 2     | "5258225".pn.   | USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2002/03/06 14:40 |
| S29 | 590   | hunterlab   | USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2002/08/06 13:34 |
| S30 | 446   | hunterlab and color   | USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2002/08/06 13:34 |

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| S31 | 0    | hunterlab.clms.  | USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2002/08/06 13:35 |
| S32 | 7    | hunterlab.clm.   | USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2002/08/06 13:35 |
| S33 | 372  | (ceramic near5 (granule or particle or bead or sphere)) and film and adhesive  | USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2002/08/06 13:56 |
| S34 | 278  | ((ceramic near5 (granule or particle or bead or sphere)) and film and adhesive) and (ultraviolet or uv or thermal or actinic or ionizing or moisture or photo)                                     | USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2002/08/06 15:18 |
| S35 | 8    | ((((ceramic near5 (granule or particle or bead or sphere)) and film and adhesive) and (ultraviolet or uv or thermal or actinic or ionizing or moisture or photo)) and (roof or roofing or shingle) | USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2002/08/06 13:57 |
| S36 | 661  | (ceramic near5 (granule or particle or bead or sphere)) and film and binder  | USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2002/08/06 13:57 |
| S37 | 9    | ((ceramic near5 (granule or particle or bead or sphere)) and film and binder) and (roof or roofing or shingle)   | USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2002/08/06 15:16 |
| S38 | 4280 | ceramic and (roof or roofing or shingle)   | USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2002/08/06 15:17 |
| S39 | 550  | (ceramic and (roof or roofing or shingle)) and film and (adhesive or binder)   | USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2002/08/06 15:18 |
| S40 | 448  | ((ceramic and (roof or roofing or shingle)) and film and (adhesive or binder)) and (ultraviolet or uv or thermal or actinic or ionizing or moisture or photo)                                      | USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2002/08/07 09:02 |
| S41 | 669  | 428/143.ccls.  | USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2002/08/07 09:03 |
| S42 | 87   | 428/143.ccls. and ceramic  | USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2002/08/07 09:02 |
| S43 | 130  | 428/141.ccls. and ceramic and film   | USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2002/08/07 09:07 |
| S44 | 4    | (428/141.ccls. and ceramic and film) and (shingle or roof or roofing)  | USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2002/08/07 09:11 |

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| S45 | 1579  | ceramic near5 (granule or granules)   | USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2002/08/07 09:12 |
| S46 | 157   | (ceramic near5 (granule or granules))<br>and film   | USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2002/08/07 09:12 |
| S47 | 17    | ((ceramic near5 (granule or granules))<br>and film) and (roof or roofing or<br>shingle or shingles)   | USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2002/08/07 09:34 |
| S48 | 10707 | film and (roof or roofing or shingle or<br>shingles)  | USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2002/08/07 09:39 |
| S49 | 3211  | (film and (roof or roofing or shingle or<br>shingles)) and adhesive   | USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2002/08/07 09:40 |
| S50 | 1     | ((film and (roof or roofing or shingle<br>or shingles)) and adhesive) and<br>(acrylated near3 aliphatic near3<br>urethane)  | USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2002/08/07 09:44 |
| S51 | 11035 | film and adhesive and ceramic and<br>(granule or particle or bead or sphere)  | USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2002/08/07 09:44 |
| S52 | 2     | (film and adhesive and ceramic and<br>(granule or particle or bead or<br>sphere)) and (acrylated near3 aliphatic<br>near3 urethane)                                       | USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2002/08/07 09:46 |
| S53 | 0     | film and cermic and (cured near4<br>adhesive)   | USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2002/08/07 09:47 |
| S54 | 1170  | film and ceramic and (cured near4<br>adhesive)  | USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2002/08/07 09:47 |
| S55 | 999   | (film and ceramic and (cured near4<br>adhesive)) and (uv or ultraviolet or<br>thermal or actinic or ionizing or<br>moisture or photo)                                     | USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2002/08/07 09:48 |
| S56 | 29    | ((film and ceramic and (cured near4<br>adhesive)) and (uv or ultraviolet or<br>thermal or actinic or ionizing or<br>moisture or photo)) and elongation<br>and flexibility | USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2002/08/07 09:48 |
| S57 | 3     | "5783303".pn.   | USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2002/08/08 07:40 |
| S58 | 15    | "5666776".URPN.   | USPAT                          | OR | OFF | 2002/08/08 08:41 |
| S59 | 27    | zickell.in.   | USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2002/08/08 08:51 |

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| S60 | 2    | zickell.in. and polyurethane   | USPAT;<br>EPO; JPO;<br>DERWENT                        | OR | OFF | 2002/08/08 08:51 |
| S61 | 242  | ceramic and adhesive and film and asphalt  | USPAT;<br>EPO; JPO;<br>DERWENT                        | OR | OFF | 2003/01/15 09:42 |
| S62 | 78   | (ceramic and adhesive and film and asphalt) and roof\$3                              | USPAT;<br>EPO; JPO;<br>DERWENT                        | OR | OFF | 2003/01/15 09:43 |
| S63 | 2    | ("5456785").PN.  | USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT              | OR | OFF | 2003/01/15 10:51 |
| S64 | 2    | ("6426309").PN.  | USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT              | OR | OFF | 2003/06/04 11:22 |
| S65 | 0    | ((("6099969").PN.) and roof\$3   | USPAT;<br>EPO; JPO;<br>DERWENT                        | OR | OFF | 2003/09/30 11:12 |
| S66 | 2    | ("6099969").PN.  | USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT              | OR | OFF | 2003/09/30 11:16 |
| S67 | 2    | ("20020160151").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/08/23 09:13 |
| S68 | 2    | ("5484477").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/08/23 15:04 |
| S69 | 4    | ((("5818492") or ("6246428")).PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/08/23 15:05 |
| S70 | 128  | (ceramic near3 (granule or particle or bead or sphere)) and (floor or flooring)      | USPAT;<br>EPO; JPO;<br>DERWENT                        | OR | OFF | 2002/03/06 11:31 |
| S94 | 1687 | (granule or particle or bead or sphere) and ceramic and (roof or roofing or shingle) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR | OFF | 2005/01/04 16:56 |
| S95 | 156  | S94 and film and primer  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR | OFF | 2005/01/04 16:05 |

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| S96  | 0    | S94 and (acrylated near3 aliphatic near3 urethane)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/01/04 15:58 |
| S97  | 21   | S94 and (acrylated with urethane)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/01/04 16:04 |
| S98  | 19   | S95 and (acrylated with urethane)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/01/04 15:59 |
| S99  | 42   | (granule or particle or bead or sphere) and film and (roof or roofing or shingle) and (acrylated with urethane) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/01/04 17:14 |
| S100 | 42   | (granule or particle or bead or sphere) and (roof or roofing or hingle) and (acrylated with urethane)           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/01/04 16:58 |
| S101 | 5849 | (52/518-560).CCLS.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/01/04 17:13 |
| S102 | 365  | (427/186-188).CCLS.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/01/04 17:14 |
| S103 | 90   | S102 and (granule or particle or bead or sphere)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/01/04 17:14 |
| S104 | 308  | S101 and (granule or particle or bead or sphere)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/01/04 17:15 |
| S105 | 23   | S103 and film   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/01/04 17:34 |
| S106 | 31   | S104 and film   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/01/04 17:15 |
| S107 | 2    | ("6426309").PN.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/01/04 17:38 |

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| S10<br>8 | 0 | S102 and (acrylated near3 aliphatic<br>near3 urethane) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/01/04 17:39 |
| S10<br>9 | 0 | S101 and (acrylated near3 aliphatic<br>near3 urethane) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/01/04 17:39 |